

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L2    | 1    | "5325265".PN.   | USPAT;<br>USOCR   | OR               | ON      | 2004/11/19 09:36 |
| L3    | 1    | "5704416".PN.   | USPAT;<br>USOCR   | OR               | ON      | 2004/11/19 09:36 |
| L5    | 0    | @ad<="20020716" and 'multichip modules' and 'IC' and 'stiffener' with 'polermer'    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/11/19 10:47 |
| L6    | 42   | @ad<="20020716" and 'PGA' same 'substrate' with 'polymer'                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/11/19 10:47 |
| L7    | 6    | @ad<="20020716" and 'multichip modules' and 'IC' and 'stiffener' with 'polymer'     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/11/19 10:47 |
| L8    | 0    | @ad<="20020716" and 'heat pipe' same 'heat spreader' and 'substrate' with 'polymer' | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/11/19 10:52 |
| L9    | 50   | @ad<="20020716" and 'heat pipe' and 'substrate' with 'polymer'                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/11/19 10:53 |
| L10   | 112  | @ad<="20020716" and 'MCM' and 'heat sink' and 'substrate' with 'polymer'            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/11/19 11:06 |
| L11   | 3    | @ad<="20020716" and 'MCM' same 'heat sink' same 'substrate' with 'polymer'          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/11/19 10:56 |
| L12   | 0    | @ad<="20020716" and 'MCM' and 'package substrate' with 'polymer' with 'ceramic'     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/11/19 11:06 |
| L13   | 6    | @ad<="20020716" and 'MCM' and 'package substrate' with 'polymer'                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/11/19 11:07 |

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| L14 | 3  | @ad<="20020716" and 'package substrate' with 'polymer' with 'ceramic'          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/19 11:08 |
| S1  | 2  | "20040057214"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/17 17:31 |
| S2  | 1  | @ad<="20020716" and 'multichip modules' and 'IC' and 'PCB' and 'vapor chamber' | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/17 17:33 |
| S3  | 1  | "6429513".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/17 17:32 |
| S4  | 2  | @ad<="20020716" and 'multichip modules' and 'IC' and 'vapor chamber'           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/19 10:43 |
| S5  | 14 | @ad<="20020716" and 'multichip modules' and 'IC' and 'lid' and 'dissipating'   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/17 17:41 |
| S6  | 5  | @ad<="20020716" and 'multichip modules' and 'IC' and 'hollow' same 'heat'      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/17 17:41 |
| S7  | 31 | @ad<="20020716" and 'multichip modules' and 'hollow' same 'heat'               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/17 17:44 |
| S8  | 1  | "6429513".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/17 17:48 |
| S9  | 1  | "6212074".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/17 17:48 |
| S10 | 1  | "6166908".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/17 17:49 |
| S11 | 1  | "6091603".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/17 17:50 |
| S12 | 81 | @ad<="20020716" and 'heat sink' same 'vapor chamber'                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/17 17:50 |
| S13 | 1  | "6429513".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/18 07:40 |
| S14 | 1  | "5880524".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/18 07:40 |

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| S15 | 1    | "5915463".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/18 07:40 |
| S16 | 6    | @ad<="20020716" and 'MCM' and<br>'vapor chamber' and 'heat sink' | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/19 10:56 |
| S17 | 81   | @ad<="20020716" and 'vapor<br>chamber' same 'heat sink'          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 10:24 |
| S18 | 1    | "6237223".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/18 08:11 |
| S19 | 1    | "6062302".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/18 08:12 |
| S20 | 1    | "5864466".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/18 08:12 |
| S21 | 1    | "5704416".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/18 08:12 |
| S22 | 1    | "5647430".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/18 08:13 |
| S23 | 1    | "6269865".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/18 08:14 |
| S24 | 1    | "6269865".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/18 08:14 |
| S25 | 1    | "6164368".PN.  | USPAT;<br>USOCR   | OR | ON | 2004/11/18 08:14 |
| S26 | 1339 | @ad<="20020716" and<br>(438/122-123).ccls.                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 09:00 |
| S27 | 647  | @ad<="20020716" and (438/125).<br>ccls.                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 09:01 |
| S28 | 115  | @ad<="20020716" and (438/55).<br>ccls.                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 09:01 |
| S29 | 1496 | @ad<="20020716" and<br>(257/706-707).ccls.                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 09:01 |
| S30 | 1483 | @ad<="20020716" and<br>(257/704-705).ccls.                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 09:02 |

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| S31 | 719  | @ad<="20020716" and (257/675).<br>ccls.    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 09:02 |
| S32 | 874  | @ad<="20020716" and (257/717).<br>ccls.    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 10:12 |
| S33 | 1041 | @ad<="20020716" and<br>(257/721-722).ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 09:02 |
| S34 | 1922 | @ad<="20020716" and (361/704).<br>ccls.    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 09:02 |
| S35 | 556  | @ad<="20020716" and (361/709).<br>ccls.    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 09:03 |
| S36 | 130  | @ad<="20020716" and (361/711).<br>ccls.    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 09:03 |
| S37 | 336  | @ad<="20020716" and (361/717).<br>ccls.    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 09:03 |
| S38 | 929  | @ad<="20020716" and (361/719).<br>ccls.    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 09:04 |
| S39 | 797  | @ad<="20020716" and<br>(361/690-691).ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 09:04 |
| S40 | 1055 | @ad<="20020716" and (165/104.<br>33).ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 09:04 |
| S41 | 848  | @ad<="20020716" and (165/104.<br>21).ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 09:04 |

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| S42 | 1   | "5751062".PN.   | USPAT;<br>USOCR   | OR | ON | 2004/11/18 09:35 |
| S43 | 1   | "5930115".PN.   | USPAT;<br>USOCR   | OR | ON | 2004/11/18 10:06 |
| S44 | 1   | "5880930".PN.   | USPAT;<br>USOCR   | OR | ON | 2004/11/18 10:06 |
| S45 | 1   | "5625227".PN.   | USPAT;<br>USOCR   | OR | ON | 2004/11/18 10:06 |
| S46 | 1   | "5345107".PN.   | USPAT;<br>USOCR   | OR | ON | 2004/11/18 10:06 |
| S47 | 1   | "4612978".PN.   | USPAT;<br>USOCR   | OR | ON | 2004/11/18 10:09 |
| S48 | 1   | "5179500".PN.   | USPAT;<br>USOCR   | OR | ON | 2004/11/18 10:09 |
| S49 | 1   | "5325265".PN.   | USPAT;<br>USOCR   | OR | ON | 2004/11/18 10:09 |
| S50 | 1   | "5704416".PN.   | USPAT;<br>USOCR   | OR | ON | 2004/11/18 10:09 |
| S51 | 1   | "5880524".PN.   | USPAT;<br>USOCR   | OR | ON | 2004/11/18 10:10 |
| S52 | 1   | "5915463".PN.   | USPAT;<br>USOCR   | OR | ON | 2004/11/18 10:10 |
| S53 | 1   | "6085831".PN.   | USPAT;<br>USOCR   | OR | ON | 2004/11/18 10:10 |
| S54 | 1   | "6091603".PN.   | USPAT;<br>USOCR   | OR | ON | 2004/11/18 10:10 |
| S55 | 1   | "5880524".PN.   | USPAT;<br>USOCR   | OR | ON | 2004/11/18 10:11 |
| S56 | 33  | @ad<="20020716" and (257/717).<br>ccls. and 'chamber' | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 10:13 |
| S57 | 43  | @ad<="20020716" and (257/717).<br>ccls. and 'pipe'    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 10:13 |
| S58 | 67  | @ad<="20020716" and 'chamber'<br>same 'heat spreader' | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 10:24 |
| S59 | 206 | @ad<="20020716" and 'pipe'<br>same 'heat spreader'    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 10:25 |

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| S60 | 9   | @ad<="20020716" and 'heatpipe'<br>same 'heat spreader'  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/18 10:25 |
| S61 | 190 | @ad<="20020716" and 'heat pipe'<br>same 'heat spreader' | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/11/19 10:52 |